

13281 U.S. PTO  
042004

**BIRCH, STEWART, KOLASCH & BIRCH, LLP**

INTELLECTUAL PROPERTY LAW  
8110 GATEHOUSE ROAD  
SUITE 100 EAST  
FALLS CHURCH, VA 22042-1248  
USA

(703) 205-8000  
FAX: (703) 205-8050  
(703) 698-8590 (G IV)

e-mail: mailroom@bskb.com  
web: http://www.bskb.com

OTHER OFFICES:  
CARLSBAD, CALIFORNIA  
COSTA MESA, CALIFORNIA  
LOS ANGELES, CALIFORNIA

17510 U.S. PTO  
10/827446  
042004

Date: April 20, 2004

Docket No.: 0051-0226PUS1

**MS PATENT APPLICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Kazumi MINOGUCHI and Keiichi NAKAMURA

For: TOOTH-HARDENING APPARATUS

Enclosed are:

- ☒ A specification consisting of eighteen (18) pages
- ☒ Seven (7) sheet(s) formal drawings
- ☐ Applicant claims small entity status under 37 C.F.R. § 1.27
- ☐ Applicant does not claim priority
- ☒ Applicant claims the right of priority under the provisions of 35 U.S.C. § 119 and 37 C.F.R. § 1.55(a) based on Application No(s). 2003-116080; 2003-116083; and 2003-116085 filed in Japan on April 21, 2003.
  - ☒ Certified copy(ies) is(are) attached hereto.
  - ☐ Certified copy(ies) will follow.
- ☒ Executed Declaration (☒ Original ☐ Photocopy)



13281 U.S. PTO

Docket No. 0051-0226PUS1

- ☒ An assignment of the invention
- ☐ Application Data Sheet in accordance with 37 C.F.R. § 1.76
- ☒ Preliminary Amendment
- ☐ Information Disclosure Statement, PTO-1449 and reference(s)
- ☐ Other:
- ☐ Applicant requests early publication - \$300.00 publication fee
- ☐ Non-publication Request and Certification under 35 U.S.C. § 122(b)(2)(B)(i)

The filing fee has been calculated as shown below:

			LARGE ENTITY	SMALL ENTITY
BASIC FEE			\$770.00	\$385.00
	NUMBER FILED	NUMBER EXTRA	RATE FEE	RATE FEE
TOTAL CLAIMS	16- 20 =	0	X 18 = \$0.00	x 9 = \$0.00
INDEPENDENT CLAIMS	3- 3 =	0	x 86 = \$0.00	x 43 = \$0.00
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS PRESENTED			+ \$290.00	+ \$145.00
TOTAL			\$770.00	\$0.00

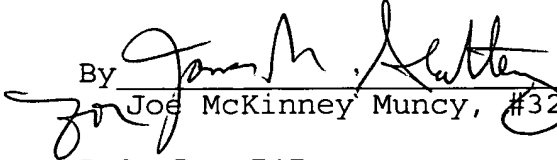
- ☒ A check in the amount of \$810.00 to cover the filing fee and recording fee (if applicable) is enclosed.
- ☐ Please charge Deposit Account No. 02-2448 in the amount of \$0.00. A triplicate copy of this transmittal form is enclosed.
- ☒ Please send correspondence to:

BIRCH, STEWART, KOLASCH & BIRCH, LLP or Customer No. 02292  
P.O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By  #28380  
Joe McKinney Muncy, #32,334

P.O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000

KM/nl  
0051-0226PUS1

(Rev. 02/13/2004)